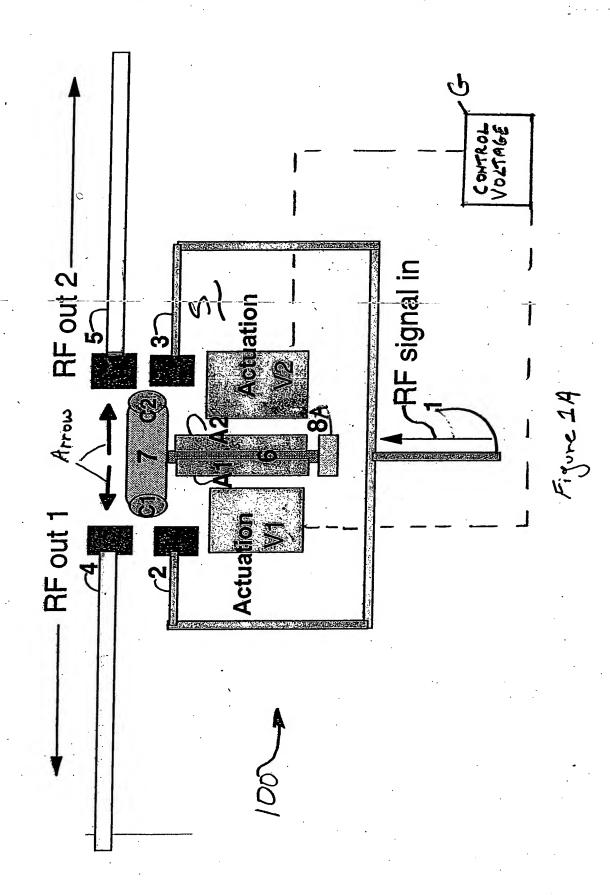
Figure 1. Series lateral switch single-pole-double throw



## Figure 1. Different anchoring schemes for lat ral switch

HODESHO LESLOI

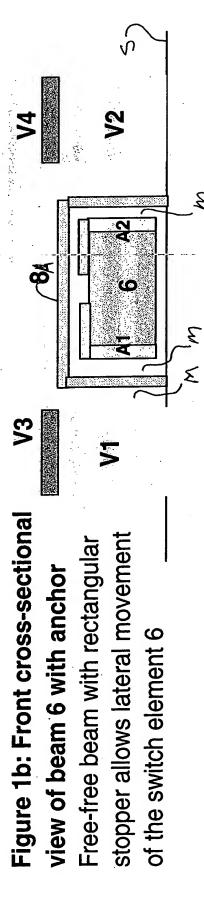


Figure 1c: Side view of anchor Anchoring through a via 9 allows lateral movement of the switching element 6 to take place

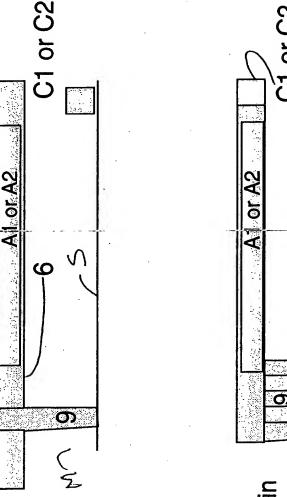
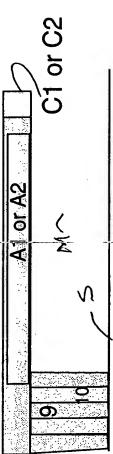
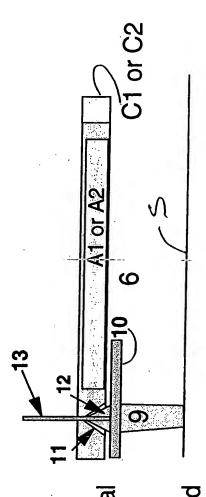


Figure 1d: Side view of anchor
Anchoring with vias 9 embedded in insulator creating a cantilever-type beam 6 with a fixed anchor



## Figure 1e: Side view of anchor

Anchoring through a pivot point created by a metal via 9 with conical tip 12 and a stopper 10. The conical tip fits into a groove 11 within beam 6. A bracket 13 is used to confine the beam 6 movement in the vertical direction



RF signal in Figure 2. Torsional lateral switch double-pole-double throw RF out 4 RF out 2 44 œ RF out RF out 3 RF signal in

Figure 3. Torsional lateral switch single-pole-double throw

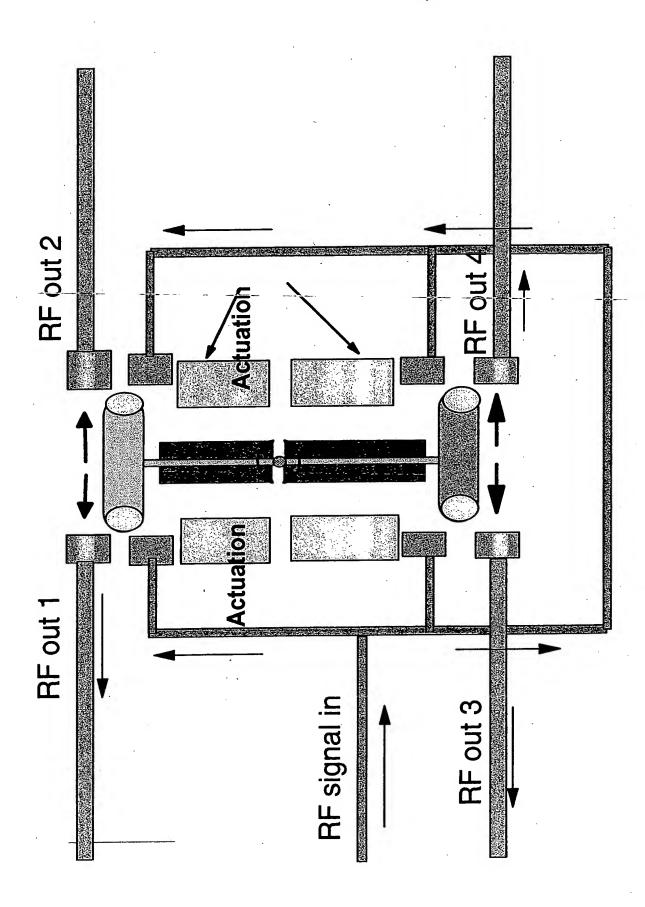


Figure 4. Single or double-pole-four-throw switch using v-shaped lateral beams RF out 2 RF dut 3 RF out 1 RF signal in

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Figure 5. Torsional single-pole or double-pole-double-throw switch using v-shaped beams

